



BZT52C2V4S 200mW Electronic Components Diode Zener 2.4V BOM Service

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: BZT52C2V4S
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Component Name: Zener Diode
- Package Type: SOD-323
- Power Dissipation: 200mW
- Zener Voltage (Nom.): 2.4V
- Zener Voltage (Min.): 2.2V
- Zener Voltage (Max.): 2.6V
- ZZT: 100Ω
- IZT: 5.0mA
- Highlight: 200mW Electronic Components, 2.4V Electronic Components, BOM Diode Zener 2.4V



More Images



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Product Description

SOD-323 Package Zener Diode BZT52C2V4S 2.4V 200mW Electronic Components BOM Service

Zener Diode DATASHEET: [BZT52C2V4S~BZT52C75S\(SOD-323\)_v2106.1.pdf](#)

Zener Diode Features:

Constant Voltage control
Wide Voltage Range Selection 2.4V to 75V
SOD-323 Thin SMD package
RoHS compliant / Green EMC
Matte Tin (Sn) Lead finish

Zener Diode Absolute Maximum Ratings (TA=25):

Parameter	Symbol	Value	Units
Power Dissipation (Note 1)	P_D	200	mW
Junction Temperature	T_J	150	
Storage Temperature	T_{STG}	-55 to +150	
Maximum Regulator Current	I_{ZM}	P_D / V_Z	mA

Note1: Device mounted on ceramic PCB: 7.6mm x 9.4mm x 0.87mm with pad areas 25mm².

Zener Diode Electrical Characteristics (TA=25):

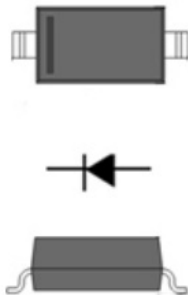
Part Number	Zener Voltage Range (Note 2)			Maximum Zener Impedance (Note 3)				Maximum Leakage Current (Note 2)	
	$V_Z @ I_{ZT}$			$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$	
	Nom. (V)	Min.(V)	Max.(V)	(Ω)	(mA)	(Ω)	(mA)	(μ A)	(V)
BZT52C2V4S	2.4	2.20	2.60	100	5.0	600	1.0	50	1.0
BZT52C2V7S	2.7	2.50	2.90	100	5.0	600	1.0	20	1.0
BZT52C3V0S	3.0	2.80	3.20	95	5.0	600	1.0	10	1.0
BZT52C3V3S	3.3	3.10	3.50	95	5.0	600	1.0	5	1.0
BZT52C3V6S	3.6	3.40	3.80	90	5.0	600	1.0	5	1.0
BZT52C3V9S	3.9	3.70	4.10	90	5.0	600	1.0	3	1.0
BZT52C4V3S	4.3	4.00	4.60	90	5.0	600	1.0	3	1.0
BZT52C4V7S	4.7	4.40	5.00	80	5.0	500	1.0	3	2.0
BZT52C5V1S	5.1	4.80	5.40	60	5.0	480	1.0	2	2.0
BZT52C5V6S	5.6	5.20	6.00	40	5.0	400	1.0	1	2.0
BZT52C6V2S	6.2	5.80	6.60	10	5.0	150	1.0	3	4.0
BZT52C6V8S	6.8	6.40	7.20	15	5.0	80	1.0	2	4.0
BZT52C7V5S	7.5	7.00	7.90	15	5.0	80	1.0	1	5.0
BZT52C8V2S	8.2	7.70	8.70	15	5.0	80	1.0	0.7	5.0
BZT52C9V1S	9.1	8.50	9.60	15	5.0	100	1.0	0.5	6.0
BZT52C10S	10	9.40	10.60	20	5.0	150	1.0	0.2	7.0
BZT52C11S	11	10.40	11.60	20	5.0	150	1.0	0.1	8.0
BZT52C12S	12	11.40	12.70	25	5.0	150	1.0	0.1	8.0
BZT52C13S	13	12.40	14.10	30	5.0	170	1.0	0.1	8.0
BZT52C15S	15	13.80	15.60	30	5.0	200	1.0	0.1	10.5
BZT52C16S	16	15.30	17.10	40	5.0	200	1.0	0.1	11.2
BZT52C18S	18	16.80	19.10	45	5.0	225	1.0	0.1	12.6
BZT52C20S	20	18.80	21.20	55	5.0	225	1.0	0.1	14.0
BZT52C22S	22	20.80	23.30	55	5.0	250	1.0	0.1	15.4
BZT52C24S	24	22.80	25.60	70	5.0	250	1.0	0.1	16.8
BZT52C27S	27	25.10	28.90	80	2.0	300	0.5	0.1	18.9

BZT52C30S	30	28.00	32.00	80	2.0	300	0.5	0.1	21.0
BZT52C33S	33	31.00	35.00	80	2.0	325	0.5	0.1	23.1
BZT52C36S	36	34.00	38.00	90	2.0	350	0.5	0.1	25.2
BZT52C39S	39	37.00	41.00	130	2.0	350	0.5	0.1	27.3
BZT52C43S	43	40.00	46.00	100	2.0	700	1.0	0.1	32.0
BZT52C47S	47	44.00	50.00	100	2.0	750	1.0	0.1	35.0
BZT52C51S	51	48.00	54.00	100	2.0	750	1.0	0.1	38.0
BZT52C56S	56	53.20	58.80	200	2.0	400	0.5	0.045	39.2
BZT52C62S	62	58.90	65.10	215	2.0	423	0.5	0.045	43.4
BZT52C68S	68	64.60	71.40	240	2.0	447	0.5	0.045	47.6
BZT52C75S	75	71.25	78.75	255	2.0	470	0.5	0.045	52.5

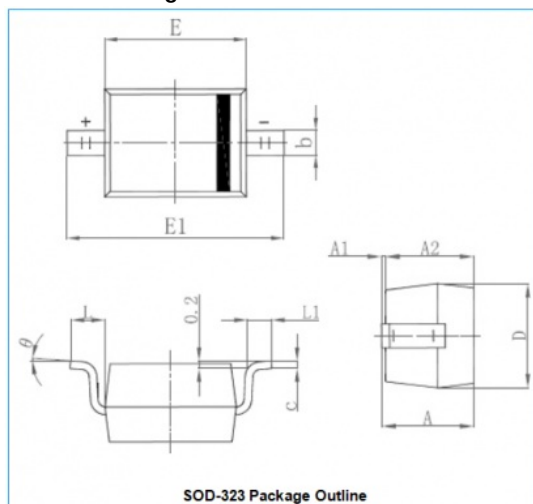
Note 2: Short duration test pulse used to minimize self-heating effect. Note 3: $f=1\text{kHz}$.

SOD-323 Package Zener Diode Circuit Diagram:

SOD-323



SOD-323 Package Zener Diode Dimensions:



Symbol	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	--	1.000	--	0.039
A1	0.000	0.100	0.000	0.004
A2	0.800	0.900	0.031	0.035
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.200	1.500	0.047	0.059
E	1.600	1.800	0.063	0.071
E1	2.550	2.750	0.100	0.108
L	0.475 REF.		0.019 REF.	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°

SOD-323 Package Zener Diode Ordering Information:

Part Number	Package	Shipping
BZT52C2V4S~BZT52C75S	SOD-323	Tape & Reel 3000 PCS / 7" Reel

